

WHAT IS CLAIMED IS:

- 5 1. A wrapping paper for a smoking article for reducing carbon monoxide delivery comprising:
- a paper substrate containing a filler, said filler comprising a white pigment, said wrapping paper having an opacity of at least 80% and brightness of at least 70% and a basis weight of up to about 22 gsm, said paper wrapper having a fiber basis
- 10 weight of less than about 18 gsm.
2. A wrapping paper as defined in claim 1, wherein said white pigments comprises calcium carbonate.
3. A wrapping paper as defined in claim 1, wherein said white pigment comprises titanium dioxide.
- 15 4. A wrapping paper as defined in claim 1, wherein said wrapping paper has a fiber basis weight of less than about 15 gsm.
5. A wrapping paper as defined in claim 1, wherein said white pigment is present within said paper substrate in an amount from about 15% to about 30% by weight.
- 20 6. A wrapping paper as defined in claim 1, wherein said white pigment has a median particle size of from about 0.2 microns to about 0.4 microns.
7. A wrapping paper as defined in claim 1, wherein said wrapping paper has a fiber basis weight of less than about 16.50 gsm.

1003315 103204

8. A wrapping paper as defined in claim 1, further comprising a burn control additive coated onto said paper substrate, said burn control additive being a material selected from the group consisting of alkali metal salts, acetates, phosphate salts, and mixtures thereof.
- 5 9. A wrapping paper as defined in claims 1, wherein said paper substrate has a permeability of from about 15 Coresta units to about 55 Coresta units.
10. A wrapping paper as defined in claim 1, wherein said paper has a tensile strength of at least 1800 g/29 mm.
11. A wrapping paper as defined in claim 1, wherein said paper has a tensile strength of at least 2000g/29mm.
- 10 12. A smoking article having a low carbon monoxide delivery comprising:
a column of a smokable filler; and
a wrapping paper surrounding said column of said smokable filler,
said wrapping paper comprising a paper substrate containing a filler, said wrapping paper
15 having a basis weight of up to about 30 gsm, a permeability of from about 15 Coresta units to about 55 Coresta units, and an opacity of at least 70%, said wrapping paper further having a fiber basis weight of less than about 18 gsm.
13. A smoking article as defined in claim 12, wherein said wrapping paper has a fiber basis weight of less than about 16.5 gsm.
- 20 14. A smoking article as defined in claim 12, wherein said wrapping paper has a fiber basis weight of less than about 15 gsm.
15. A smoking article as defined in claim 12, wherein said smoking article has a carbon monoxide delivery of less than about 18 mg per smoking article.

16. A smoking article as defined in claim 12, wherein said smoking article has a carbon monoxide delivery of less than about 17 mg per smoking article.

17. A smoking article as defined in claim 12, wherein said smoking article has a carbon monoxide delivery of less than about 15 mg per smoking article.

5 18. A smoking article as defined in claim 12, wherein said wrapping paper has a basis weight of up to about 20 gsm.

19. A smoking article as defined in claim 12, wherein said wrapping paper has a basis weight of from about 22 gsm to about 28 gsm.

10 20. A smoking article as defined in claim 18, wherein said wrapping paper has a tensile strength of at least 1800 g/29 mm.

21. A smoking article as defined in claim 18, wherein said wrapping paper has a tensile strength of at least 2000 g/29 mm.

15 22. A smoking article as defined in claim 19, wherein said filler comprises a white pigment having a median particle size of from about 0.2 microns to about 0.4 microns, said wrapping paper having a total filler content of from about 15% to about 35% by weight.

23. A smoking article as defined in claim 12, wherein said filler comprises calcium carbonate.

20 24. A smoking article as defined in claim 12, wherein said wrapping paper has a fiber basis weight of less than about 13 gsm.

25. A smoking article having a low carbon monoxide delivery comprising:
a column of a smokable filler; and

a wrapping paper surrounding said column of said smokable filler, said wrapping paper comprising a paper substrate containing a filler, said wrapping paper having a basis weight of up to about 30 gsm and a fiber basis weight of less than about 18 gsm; and

5 wherein when said smoking article is smoked, said smoking article produces a carbon monoxide delivery of less than about 18 mg.

26. A smoking article as defined in claim 25, wherein said smoking article has a carbon monoxide delivery of less than about 17 mg per cigarette.

27. A smoking article as defined in claim 25, wherein said smoking article has
10 a carbon monoxide delivery of less than about 15 mg per cigarette.

28. A smoking article as defined in claim 25, wherein said wrapping paper has a fiber basis weight of less than about 15 gsm.

29. A smoking article as defined in claim 25, wherein said wrapping paper has a permeability of from about 15 Coresta units to about 55 Coresta units and a basis
15 weight of less than about 22 gsm, said filler comprising a white pigment having a median particle size of from about 0.2 microns to about 0.4 microns, said wrapping paper having a total filler content of from about 15% to about 35% by weight.

30. A smoking article as defined in claim 25, wherein said wrapping paper has a tensile strength of at least 1800 g/29 mm.

20